

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND the claims as follows:

1. (Currently Amended) A multichannel information processing device wherein a plurality of video images are displayed simultaneously on a display device, comprising:
 - video image information control means for acquiring information for said ~~the~~ plurality of video images, and for deciding video image position information relating to display positions on a display device for said ~~the~~ plurality of video images and outputting said ~~the~~ information for a plurality of video images based on said ~~the~~ video image position information;
 - cursor position control means for calculating cursor position information of a displayed cursor based on cursor instructions information input via an input device and generating and outputting cursor image information based on said ~~the~~ cursor position information;
 - display image generating means for synthesizing information for the plurality of video images output by said ~~the~~ video image display control means and cursor image information output by the cursor position control means and displaying the same on said display device;
 - distance information generating means for calculating respective distances between each of the display positions of said ~~the~~ plurality of video images and a cursor display position based on each center position information of said ~~the~~ plurality of video images and center position information of the displayed cursor, and generating respective distance information; and
 - audio output control means for deciding respective volumes ~~volume~~ of audio data for said ~~the~~ plurality of video images displayed simultaneously on the display device based on each ~~the~~ distance information generated by said ~~the~~ distance information generating means, and simultaneously outputting respective audio data to an output device,
 - wherein said ~~the~~ audio output control means sets respective volumes ~~volume~~ of said ~~the~~ audio data corresponding to the plurality of video images to one of multiple values so as to be in inverse proportion to the respective distances ~~distance values~~ generated by said distance information generating means, synthesizes said ~~the~~ audio data corresponding to said ~~the~~

plurality of video images displayed by ~~said the~~ display image generating means, using ~~said the~~ respective volumes, and outputs ~~said the~~ synthesized audio data.

2. (Cancelled)

3. (Cancelled)

4. (Previously Presented) A multichannel information processing device according to claim 1, wherein distance information generated by said distance information generating means includes x-axis direction information relating to direction of video image display position as seen from cursor display position based upon an x-coordinate of central coordinates of the center position information of the video images and an x-coordinate of central coordinates of the center position information of the displayed cursor, and said audio output control means makes output to two speakers based on said x-axis direction information, so that audio data for said plurality of video images is positioned in the sound space formed by said two speakers.

5. (Original) A multichannel information processing device according to claim 1, further comprising:

voice data recognition means for recognizing words included in audio data for said plurality of video images, and

character information display means for converting words recognized by said voice data recognition means into character data and displaying the same on said display device.

6. (Original) A multichannel information processing device according to claim 5, comprising:

Internet connection means,

web site search means for searching for related web sites on the Internet, using a word recognized by said voice data recognition means as keyword; and

web site display means for displaying on said display device a web site found by said web site search means.

7. (Original) A multichannel information processing device according to claim 1, further including video image selecting means for selecting, based on a prescribed algorithm, a

specified video image from among a plurality of video images displayed on said display device, wherein said audio output control means outputs to an audio output device audio data for the video image selected by said video image selecting means.

8. (Original) A multichannel information processing device according to claim 7, wherein said video image selecting means switches to a different video image for selection whenever a prescribed length of time has passed.

9. (currently amended) A multichannel information processing method displaying a plurality of video images simultaneously on a computer having a display device, an input device and an audio output device, the method comprising:

deciding display positions on said display device for video images to be displayed on a display device;

outputting information for said plurality of video images based on the decided display positions;

accepting cursor instructions information input from said input device;

calculating cursor position information for displaying a cursor based on said cursor instructions information;

generating cursor image information based on said cursor position information;

synthesizing information for said plurality of video images and said cursor image information, generating a display image, and displaying the image on said display device;

calculating respective distances between each of the display positions of said plurality of video images and said cursor display position, based on each center position information of the plurality of video images and center position information of the cursor and generating respective distance information; and

deciding respective volumes of audio data for the plurality of video images displayed simultaneously on the display device based on saideach distance information and simultaneously outputting the respective audio data to the audio output device, wherein the deciding of the volume respective volumes of the audio data comprises:

setting the volume respective volumes of the audio data for corresponding to the plurality of video image to one of multiple values in inverse proportion to said respective distances;

synthesizing said audio data corresponding to said plurality of video images,

using said respective volumes;

outputting said synthesized audio data to the audio output device.

10. (Cancelled)

11. (Cancelled)

12. (Previously Presented) A multichannel information processing method according to claim 9, further comprising:

generating x-axis direction information relating to directions of the display positions of the video images as seen from the cursor display position based upon an x-coordinate of central coordinates of the center position information of the video images and an x-coordinate of central coordinates of the center position information of the displayed cursor, and

outputting to two speakers based on said x-axis direction information, so that the audio data for said plurality of video images is positioned in a sound space of the audio output device in accordance with said distance information and said x-axis direction information.

13. (Previously Presented) A multichannel information processing method according to claim 9, further comprising:

voice-recognizing words included in the audio data for said plurality of video images, and
converting the voice-recognized words into character data and displaying the same on said display device.

14. (Previously Presented) A multichannel information processing method according to claim 13, comprising:

connecting to the Internet;
searching for related web sites on the Internet, using a voice-recognized word as a keyword; and
displaying on said display device a found related web site.

15. (Previously Presented) A multichannel information processing method according to claim 9, further comprising:

selecting with a prescribed algorithm a specified video image from among said plurality of video images displayed on said display device, and

outputting to said audio output device the audio data for the selected video image.

16. (currently amended) A computer-readable recording medium storing a program controlling a computer having a display device, an input device and an audio output device to execute a multichannel information processing for displaying a plurality of video images simultaneously on the display device, according to operations comprising:

deciding display positions on the display device for said video images to be displayed;
outputting information for said plurality of video images based on the decided display positions;

accepting cursor instructions information input from said input device;
calculating cursor position information for displaying a cursor based on said cursor instructions information;
generating cursor image information based on said cursor position information;
synthesizing information for said plurality of video images and said cursor image information, generating a display image, and displaying the display image on said display device;
calculating respective distances between each of the display positions of said plurality of video images and the display position of said cursor based on each center position information of the plurality of video images and center position information of the cursor and generating respective distance information; and

deciding respective volumes~~volume~~ of audio data for said plurality of video images displayed simultaneously on the display device based on said ~~each~~ distance information and simultaneously outputting ~~the~~respective audio data to the audio output device, wherein the deciding of the ~~volume~~respective volumes of the audio data comprises:

setting the respective volumes~~volume~~ of said audio data ~~for~~corresponding to the plurality of video images to one of multiple values in inverse proportion to said respective distances;

synthesizing said audio data corresponding to said plurality of video images, using said respective volumes; and
outputting said synthesized audio data to the audio output device.

17. (Cancelled)

18. (Cancelled)

19. (currently amended) A computer-readable recording medium storing a program controlling a computer having a display device, an input device and an audio output device to execute a multichannel information processing for displaying a plurality of video images simultaneously on the display device, according to operations comprising:

deciding display positions on the display device for said video images to be displayed;
outputting information for said plurality of video images based on the decided display positions;

accepting cursor instructions information input from said input device;
calculating cursor position information for displaying a cursor based on said cursor instructions information;

generating cursor image information based on said cursor position information;
synthesizing information for said plurality of video images and said cursor image information, generating a display image, and displaying the display image on said display device;

calculating respective distances between each of the display positions of said plurality of video images and the display position of said cursor, based on each center position information of the plurality of video images and center position information of the cursor and generating respective distance information;

generating direction information relating to a direction of the display positions for each video image as seen from the cursor display position;

outputting to said audio output device so that the audio data corresponding to said plurality of video images is positioned at acoustic image positions in a sound space of said audio output device in accordance with said respective distance information and said direction information; and

deciding respective volumes~~volume~~ of audio data for said plurality of video images displayed simultaneously on the display device based on said~~each~~ distance information and simultaneously outputting respective audio data to the audio output device by:

setting the respective volumes~~volume~~ of said audio data ~~for~~corresponding to the plurality of video images to one of multiple values in inverse proportion to said respective distances;

synthesizing said audio data corresponding to said plurality of video images, using said respective volumes; and

outputting said synthesized audio data to the audio output device.

20. (currently amended) A computer-readable recording medium storing a program controlling a computer having a display device, an input device and an audio output device to execute a multichannel information processing for displaying a plurality of video images simultaneously on the display device, according to operations comprising:

deciding display positions on the display device for said video images to be displayed;
outputting information for said plurality of video images based on the decided display positions;

accepting cursor instructions information input from said input device;
calculating cursor position information for displaying a cursor based on said cursor instructions information;

generating cursor image information based on said cursor position information;
voice-recognizing words included in audio data of said plurality of video images;
converting the voice-recognized words into character data and outputting the same;
synthesizing said plurality of video images, said cursor image information and said character information, and generating a display image and displaying the display image on said display device;

calculating respective distances between each of the display positions of said plurality of video images and the display position of said cursor, based on each center position information of the plurality of video images and center position information of the cursor and generating respective distance information; and

deciding respective volumes of the audio data for said plurality of video images displayed simultaneously on the display device based on said each distance information and simultaneously outputting the respective audio data to the audio output device, wherein the deciding of the respective volumes of the audio data comprises:

setting the respective volumes of said audio data for corresponding to the plurality of video images to one of multiple values in inverse proportion to said respective distances;

synthesizing said audio data corresponding to said plurality of video images, using said respective volumes; and
outputting said synthesized audio data to the audio output device.

21. (currently amended) A computer-readable recording medium storing a program

controlling a computer having a display device, an input device and an audio output device to execute a multichannel information processing for displaying a plurality of video images simultaneously on the display device, according to operations comprising:

deciding display positions on the display device for said video images to be displayed;

outputting information for said plurality of video images based on the decided display positions;

accepting cursor instructions information input from said input device;

calculating cursor position information for displaying a cursor based on said cursor instructions information;

generating cursor image information based on said cursor position information;

calculating respective distances between each of the display position positions of said plurality of video images and said cursor position information, based on each center position information of the plurality of video images and center position information of the cursor and generating respective distance information;

selecting a specified video image from among the plurality of video images based on said distance information and outputting audio data of the selected video image to the audio output device;

voice-recognizing words included in audio data of the video images;

converting the voice-recognized words into character information and outputting the same;

synthesizing said plurality of video images, said cursor image information and said character information, and generating a display image and outputting the same to the display device; and

deciding respective volumes~~volume~~ of the audio data for said plurality of video images displayed simultaneously on the display device based on said each distance information and simultaneously outputting the respective audio data to the audio output device, wherein the deciding of the respective volumes~~volume~~ of the audio data comprises:

setting the respective volumes~~volume~~ of said audio data ~~for~~corresponding to the plurality of video images to one of multiple values in inverse proportion to said respective distances;

synthesizing said audio data corresponding to said plurality of video images, using said respective volumes; and

outputting said synthesized audio data to the audio output device.

22. (currently amended) A computer-readable recording medium storing a program controlling a computer having a display device, an input device and an audio output device to execute a multichannel information processing for displaying a plurality of video images simultaneously on the display device, according to operations comprising:

- deciding display positions on the display device for said video images to be displayed;
- outputting information for said plurality of video images based on the decided display position;

- accepting cursor instructions information input from said input device;

- calculating cursor position information for displaying a cursor based on said cursor instructions information;

- generating cursor image information based on said cursor position information;

- calculating respective distances between each of the displays positions of said plurality of video images and said cursor position information, based on each center position information of the plurality of video images and center position information of the cursor and generating respective distance information;

- selecting a specified video image from among the plurality of video images based on said distance information and outputting audio data of the selected video image to the audio output device;

- voice-recognizing words included in audio data of the plurality of video images;

- connecting to the Internet;

- searching for related web sites on the Internet using a voice-recognized word as keyword;

- synthesizing said plurality of video images, said cursor image information and said found web site, and generating a display image and displaying the same on said display device; and

- deciding respective volumes~~volume~~ of the audio data for said plurality of video images displayed simultaneously on the display device based on saideach distance information and simultaneously outputting the~~respective~~ audio data to the audio output device, wherein the deciding of the respective volumes~~volume~~ of the audio data comprises:

- setting the respective volumes~~volume~~ of said audio data ~~for~~corresponding to the plurality of video images to one of multiple values in inverse proportion to said respective distances;

- synthesizing said audio data corresponding to said plurality of video images,

using said respective volumes; and

outputting said synthesized audio data to the audio output device.

23. (currently amended) A computer-readable storage medium storing a program controlling a computer having a display device, an input device and an audio output device to execute a multichannel information processing for displaying a plurality of video images simultaneously on the display device, according to operations comprising:

deciding display positions on the display device for said video images to be displayed;
outputting information for said plurality of video images based on the decided display

position;

selecting with a prescribed algorithm a specified video image from among said plurality of video images displayed on said display device;

calculating cursor position information for displaying a cursor;

calculating respective distances between each of the display positions of said plurality of video images and the display position of said cursor, based on each center position information of the plurality of video images and center position information of the cursor and generating respective distance information;

outputting audio data of the selected video image to said audio output device; and

deciding respective volumes~~volume~~ of the audio data for said plurality of video images displayed simultaneously on the display device based on ~~said each~~ distance information and simultaneously outputting ~~the~~respective audio data to the audio output device, wherein the deciding of the respective volumes~~volume~~ of the audio data comprises:

setting the respective volumes~~volume~~ of said audio data ~~for~~corresponding to the plurality of video images to one of multiple values in inverse proportion to said respective distances;

synthesizing said audio data corresponding to said plurality of video images, using said respective volumes; and

outputting said synthesized audio data to the audio output device.

24-31. (Cancelled)

32. (currently amended) An apparatus having a display device, an input device and an audio output device and displaying a plurality of video images simultaneously on the display device, comprising:

a controller

deciding display positions on the display device for said video images to be displayed,

calculating cursor display position information for displaying a cursor,

calculating respective distances between each of the display positions of said plurality of video images and the display position of said cursor, based on each center position information of the plurality of video images and center position information of the cursor and generating respective distance information, and

deciding respective volumes~~volume~~ of the audio data for said plurality of video images displayed simultaneously on the display device based on ~~said~~each distance information and simultaneously outputting ~~the~~respective audio data to the audio output device, wherein the deciding of the respective volumes~~volume~~ of the audio data comprises:

setting the ~~volume~~respective volumes of said audio data ~~for~~corresponding to the plurality of video images to one of multiple values in inverse proportion to said respective distances,

synthesizing said audio data corresponding to said plurality of video images, using said respective volumes, and

outputting said synthesized audio data to the audio output device.